

1 We claim:

- 2 1. A system for data recipient invoked electronic transactions comprising:  
3 a network; and

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9 at least one data subject network communication device (NCD) associated with at least one data  
10 subject and associated with the at least one data controller, connected to the network,  
11 and wherein the at least one data subject NCD further comprises NCD software for  
12 sending and receiving information over the network;  
13 the at least one data repository connected to the at least one data recipient computer via the  
14 network, wherein the at least one data repository further comprises data repository  
15 software, and wherein the data repository client software further comprises instructions  
16 for forwarding the authorized data recipient's offer to the at least one data repository via  
17 the NCD software, and wherein the data repository software further comprises  
18 instructions for gathering information to complete a transaction and for determining that  
19 the at least one authorized data recipient is authorized by the at least one data controller  
20 to receive information about the at least one data subject.

- 21 2. The system in accordance with claim 1, wherein the transaction is a transaction to purchase an  
22 item.  
23 3. The system in accordance with claim 2, wherein the item purchased is goods or services.  
24 4. The system in accordance with claim 1, wherein the data repository further comprises instructions  
25 to send the purchasing information to the at least one authorized data recipient computer.  
26 5. The system in accordance with claim 1, wherein the network is selected from group consisting of  
27 the Internet, intranet, local area networks (LANS), and wide area networks (WANS), wireless,

1 wireless local loops and cable networks.

2 6. The system in accordance with claim 1, wherein the network comprises at least two networks  
3 selected from group consisting of the Internet, intranet, local area networks (LANS), wide area  
4 networks (WANS), wireless, wireless local loops, and cable networks.

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7 7. The system in accordance with claim 1, wherein the at least one authorized data recipient is the  
8 data controller.

9 8. The system according to claim 1 wherein the transaction is a transaction to convey information.

10 9. The system according to claim 8 wherein the information conveyed is information for college  
11 admission.

12 10. The system according to claim 8 wherein the information is information for an applications for  
13 credit.

14 11. The system in accordance with claim 1, wherein the client software and the NCD software send  
15 and receive files in a common computer language.

16 12. The system in accordance with claim 11, wherein the common computer language is selected  
17 from a group consisting of HTML, XML, and WML.

18 13. The system in accordance with claim 1, wherein the NCD software further comprises a translator  
19 for reading and writing files in the native language of the NCD software, and for reading and  
20 writing files in the native language of the client software.

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22 14. The system in accordance with claim 1, wherein the repository client software further comprises a  
23 translator for reading and writing files in the native language of the repository client software, and  
24 for reading and writing files in the native language of the NCD software.

25 15. The system in accordance with claim 1, wherein the data repository software further comprises  
26 instructions for assigning a unique identifier to the at least one data subject and providing the  
27 unique identifier to the at least one authorized data recipient.

16. The system according to claim 1 wherein the data repository is controlled by the data controller.
17. The system according to claim 1 wherein the NCD is a personal computer.
18. The system according to claim 6 wherein the NCD is a wireless device connected to the wireless network.
19. The system in accordance with claim 1, wherein the repository client software further comprises instructions to the NCD software for forward the authorized data recipient's offer to the data repository and for sending a message to the data repository indicating whether an NCD software identifier is present in the NCD software, and wherein the presence of an NCD software identifier indicates whether the NCD software was previously used in conjunction with the system.
20. The system in accordance with claim 19 wherein the NCD software identifier is a cookie.
21. The system in accordance with claim 19, wherein the data repository further comprises a data subject data structure which further comprises information pertaining to previous transactions by at least one registered data subject, and wherein the at least one registered data subject is a data subject who has previously registered with the system.
22. The system in accordance with claim 21, wherein the data repository further comprises storage for storing the data subject data structure.
23. The system in accordance with claim 21, wherein the data repository further comprises at least one server for storing the data subject data structure.
24. The system in accordance with claim 19, further comprising an authorized data recipient data structure comprising information which represents authorized data recipient information that is necessary for identifying the authorized data recipient and the authorized data recipient computer.
25. The system in accordance with claim 24, wherein the authorized data recipient information further comprises contact information, an authorized data recipient identification number, at least one network location for the authorized data recipient computer, accepted payment card types, accepted currencies, and accepted payment methods.



- 1 33. The system in accordance with claim 27, wherein the data repository software further comprises  
2 instructions for gathering information to complete the transaction by prompting the data subject  
3 for the information when the data recipient is not an authorized data recipient of the data  
4 controller that is associated with the data subject.
- 5 34. The system in accordance with claim 27, wherein the data repository software further comprises  
6 instructions for allowing a registered data subject to enter information to identify the registered  
7 data subject thereby allowing the data repository software to access the registered data subject's  
8 information stored in the data subject data structure if the data repository software did not select  
9 the correct registered data subject.
- 10 35. The system in accordance with claim 34, wherein the information which can be entered to identify  
11 the registered data subject comprises a data subject identification number, email address, and a  
12 passphrase.
- 13 36. The system in accordance with claim 27, wherein the data repository software further comprises  
14 instructions for allowing a registered data subject to enter information to identify the registered  
15 data subject thereby allowing the data repository software to access the registered data subject's  
16 information stored in the data subject data structure if the registered data subject was not  
17 associated with the data subject's NCD software.
- 18 37. The system in accordance with claim 34, wherein the information which can be entered to identify  
19 the registered data subject further comprises a data subject identification number, email address,  
20 and a passphrase.
- 21 38. The system in accordance with claim 27, wherein the data repository software further comprises  
22 instructions for prompting the selected data subject for the data subject's identification number  
23 and passphrase if the registered data subject was selected by the data repository software.
- 24 39. The system in accordance with claim 27, further comprising a temporary data structure for storing  
25 for a limited amount of time information pertaining to a transaction.
- 26 40. The system in accordance with claim 1, wherein the authorized data recipient's offer comprises at  
27 least a authorized data recipient identifier, a price for the item, a digital signature of the authorized

1 data recipient, and a transaction number.

2 41. The system in accordance with claim 40, wherein the authorized data recipient's offer further  
3 comprises a final price indicator that indicates that the price for an item is not final.

4 42. The system in accordance with claim 27, wherein the data repository software further comprises  
5 instructions for communicating the data subject's shipping address information to the authorized  
6 data recipient computer and for calculating the final price for the item if the final price indicator  
7 indicates that the price for an item is not final.

8 43. The system in accordance with claim 42, wherein the data subject's shipping address information  
9 communicated to the authorized data recipient further comprises the city, state, country and mail  
10 code of the data subject's shipping address.

11 44. The system in accordance with claim 43, wherein the authorized data recipient computer further  
12 comprises instructions for calculating the final price for the item being purchased based on the  
13 data subject's shipping address information.

14 45. The system in accordance with claim 43, wherein the data subject's shipping address information  
15 communicated to the authorized data recipient further comprises the shipping means.

16 46. The system in accordance with claim 4539, wherein the authorized data recipient computer  
17 further comprises instructions for calculating the final price for the item being purchased based on  
18 the data subject's shipping address information.

19 47. The system in accordance with claim 35, wherein the data subject's shipping address is the email  
20 address where the item is being sent for items which can be delivered over the network.

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24 48. The system in accordance with claim 1, wherein the data repository further comprises a data  
25 subject transaction log for recording information relating to a registered data subject's purchasing  
26 transactions, and wherein a registered data subject is a data subject who has previously  
27 registered with the system.

1 49. The system in accordance with claim 48, wherein the data repository further comprises storage  
2 for storing the data subject transaction log.

3 50. The system in accordance with claim 49, further comprising at least one server to store the data  
4 subject transaction log.

5 51. The system in accordance with claim 1, wherein the data repository further comprises an  
6 authorized data recipient transaction log for storing information relating to transactions performed  
7 by the at least one authorized data recipient.

8 52. The system in accordance with claim 51, wherein the data repository further comprises storage  
9 for storing the authorized data recipient transaction log.

10 53. The system in accordance with claim 51, further comprising at least one server for storing the  
11 authorized data recipient transaction log.

12 54. The system according to claim 1 wherein the data repository further comprises instructions for  
13 determining that the data recipient is authorized by the data controller associated with the data  
14 subject.

15 55. A method for authorized data recipient invoked electronic transactions over a network between at  
16 least one data subject, associated with at least one data controller, having at least one data  
17 subject's NCD connected to the network, at least one authorized data recipient, associated with  
18 the at least one data controller, having at least one authorized data recipient computer connected  
19 to the network, and at least one data repository connected to the network, comprising:

20 requesting an authorized data recipient's offer from at least one authorized data recipient  
21 over a network by at least one data subject using NCD software on the at least one data  
22 subject's NCD;

23 invoking data repository client software on the at least one authorized data recipient  
24 computer in response to the data subject's request for a authorized data recipient's offer,  
25 and wherein invoking the data repository client software further comprises:

26 connecting the at least one data subject's NCD to the at least one data

27 repository;

1 invoking the data repository/client software;  
2 forwarding the authorized data recipient's offer to the least one data repository;  
3 determining that both the at least one data subject and one the at least one  
4 authorized data recipient are associated with the at least one data  
5 controller; and  
6 gathering the information by the data repository to complete a transaction.

7 56. The method in accordance with claim 55 further comprising gathering information relating to the  
8 purchase of an item.

9 57. The method in accordance with claim 56 further comprising sending the purchasing information to  
10 the at least one authorized data recipient computer.

11 58. The method in accordance with claim 56, further comprising sending the purchasing information  
12 to the at least one authorized data recipient computer.

13 59. The method in accordance with claim 55, further comprising the client software instructing the  
14 data subject NCD software to forward the authorized data recipient's offer to the data repository  
15 and sending a message indicating whether a NCD software identifier is present in the data  
16 subject's NCD software.

17 60. The method in accordance with claim 59, wherein the sending of a message indicating whether a  
18 NCD software identifier is present in the data subject's NCD software further comprises the client  
19 software instructing the NCD software to forward a message and wherein the NCD software  
20 identifier is a cookie.

21 61. The method in accordance with claim 55, further comprising accessing an authorized data  
22 recipient data structure in the data repository to determine the transaction information the at least  
23 one authorized data recipient requires to complete a transaction.

24 62. The method in accordance with claim 56, further comprising accessing a data subject data  
25 structure in the data repository to gather the transaction information the at least one authorized  
26 data recipient requires to complete a purchasing transaction.

27 63. The method in accordance with claim 62, further comprising prompting the registered data



1 subject for additional transaction information to complete a purchasing transaction if the data  
2 subject data structure is missing transaction information which is necessary for the at least one  
3 authorized data recipient to complete a purchasing transaction.

4 64. The method in accordance with claim 55, further comprising prompting the data subject for the  
5 transaction information when the data subject is a non-registered data subject.

6 65. The method in accordance with claim 55, further comprising gathering the information to  
7 complete the transaction by prompting the data subject for the information when the data  
8 recipient is not an authorized data recipient of the data controller that is associated with the data  
9 subject.

10 66. The method in accordance with claim 55, further comprising the data repository software  
11 assigning a unique identifier to the at least one data subject and providing the unique identifier to  
12 the at least one authorized data recipient.

13 67. The method in accordance with claim 66, further comprising a registered data subject entering  
14 identifying information to allow a registered data subject to identify the registered data subject  
15 thereby allowing the data repository software to access the registered data subject's information  
16 from the data subject data structure if the data repository software did not select the registered  
17 data subject.

18 68. The method in accordance with claim 67, wherein entering the identifying information further  
19 comprises a data subject entering the data subject's identification number, email address, and a  
20 passphrase.

21 69. The method in accordance with claim 66, further comprising a registered data subject entering  
22 identifying information to allow a registered data subject to identify the registered data subject  
23 thereby allowing the data repository software to access the registered data subject's information  
24 from the data subject data structure if the registered data subject is not associated with the data  
25 subject's NCD software.

26 70. The method in accordance with claim 69, wherein entering the identifying information further  
27 comprises a data subject entering the data subject's identification number, email address, and a

1 ~~passphrase~~

2 71. The method in accordance with claim 66, further comprising prompting the selected registered  
3 data subject to enter the data subject's identification number and passphrase when the registered  
4 data subject was selected by the data repository software.

5 72. The method in accordance with claim 64, further comprising storing the data subject's transaction  
6 information in a temporary data structure when the data subject is a non registered data subject.

7 73. The method in accordance with claim 72, further comprising transferring the data subject's  
8 transaction information from the temporary data structure when a non-registered data subject  
9 elects to become a registered data subject.

10 74. The method in accordance with claim 63, further comprising sending the data subject's shipping  
11 address information to the authorized data recipient computer when a final price indicator in the  
12 authorized data recipient's offer indicates that the price for an item is not final.

13 75. The method in accordance with claim 74, wherein sending the data subject's shipping address  
14 further comprises sending the data subject's city, state, country and mail code.

15 76. The method in accordance with claim 75, further comprising the authorized data recipient  
16 computer calculating a final price based on the data subject's shipping address.

17 77. The method in accordance with claim 55, further comprising recording information relating to a  
18 registered data subject's purchasing transactions, wherein a registered data subject is a data  
19 subject who has previously registered with the system.

20 78. The method in accordance with claim 55, further comprising recording information s relating to  
21 transactions performed by the at least one authorized data recipient.

22 79. The method in accordance with claim 66, wherein the assigning a unique identifier indicating  
23 whether a NCD software identifier is present in the data subject's NCD software further comprises  
24 the client software instructing the NCD software to forward a message and wherein the NCD  
25 software identifier is a cookie.